



Health, Safety and Analytical Services Capability Statement

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Key Services

Health, Safety, and Analytical Business Unit:

- Industrial Health and Safety Professional Support
- Industrial Hygiene Professional Support
- Analytical Chemistry/Radiochemistry Professional Support
- Data Analysis and Reporting Support

Service Description

TerraGraphics provides support to both the public and private sectors in the area of Industrial Health and Safety, Industrial Hygiene Services, Analytical Chemistry/Radiochemistry Professional Support, and Data Analysis and Reporting Support.

TerraGraphics' staff provides on-site evaluations of safety and health hazards and assists in the elimination of those hazards. In addition, TerraGraphics provides experienced professionals in key staff augmentation positions for our clients. Our safety professionals are subject matter experts for job and task analyses and planning. We help our customers ensure compliance with requirements in construction and general industry. TerraGraphics is dedicated to providing the highest level of professional services using Nationally Accredited Laboratories and Board Certified Professionals.

TerraGraphics provides analytical chemistry/radiochemistry professional support. TerraGraphics professionals have a combined 50+ years of laboratory management in all aspects of laboratory operations. This experience includes everything from high throughput government-owned chemistry and radiochemistry laboratories, to small industrial hygiene laboratories, to high throughput private environmental laboratories. If you have needs in the area of analytical chemistry or interpretation of laboratory results, TerraGraphics can help.

Example Projects

Hanford – Industrial Hygiene Programs Technical Support

TerraGraphics provides the Safety and Health Programs Organization development of internal and external assessments; helps facilitate safety and industrial hygiene awareness campaigns; schedules events and activities, and assists with completion of programmatic requirements that are necessary for successful operations.

The scope of work provides administrative functions and program support services where the products to be generated are subject to control by established program controls and review/approval processes. Compliance with federal, state, local and Hanford-site requirements for Industrial Hygiene/Safety programs is critical and this contract plays a key role. Some elements of the Industrial Hygiene/Safety program include:

- Beryllium hazard characterization
- Industrial Safety technical support
- Procedure management support

- Safety and Health performance assessments
- Industrial Safety training
- Exposure data management
- Regulatory Compliance
- Facility Safety
- Electrical Safety
- Confined Space
- Accident Investigation
- Crane & Rigging
- Trenching & Shoring
- Job Hazard Analysis
- Other tasks will be assigned on an as-needed basis for the performance of activities in the areas of industrial hygiene/safety.

Hanford Tank Farms – Worker Health and Safety Investigations

TerraGraphics plays a key role in a project demonstrating the feasibility of using a mobile laboratory to quantify the concentrations of chemical constituents present at a given time. These results are used to monitor and prevent vapor exposure to workers from a Health and Safety perspective. This mobile vapors laboratory contains a Proton Transfer Reaction – Mass Spectrometer (PTR-MS) instrument. Using time of flight-based measurements, the PTR-MS is capable of measuring vapor constituent concentrations in near real time. The PTR-MS is not capable of separating compounds with the same molecular mass or measuring compounds that have a proton affinity less than or equal to that of water.

This work is being done in support of the ongoing quantitative measurements of the vapor emission. The Project's primary objective is to implement selected vapor monitoring and detection technologies. These technologies will be deployed to support plant operations related to real-time transient short-duration vapor events (primarily detection, control, analysis, and mitigation).

TerraGraphics provides Project Management, subject matter expertise utilizing multiple Ph.D. Chemists, Quality Assurance, and data reduction and reporting support.

RJ Lee Group – Laboratory Management and Analytical Support

In an effort to help stabilize a struggling industrial hygiene laboratory, TerraGraphics has been providing a Laboratory Director. Roles and responsibilities for this contract include, but are not limited to:

- Lead Business Development
- Build pipeline of projects that align with Lab core competencies
- Re-invigorate relationship with stakeholders
- Manage day-to-day operations
- Manage P&L consistent with Lab goals and objectives
- Implement Operational goals and track/report metrics
- Assess and develop operational posture to ensure Lab compliance with Requirements
- Right size staff to work-load
- Implement a Culture of Learning and Continuous Improvement.

In addition, TerraGraphics has been providing a Quality Assurance (QA) Manager and Senior Technical Advisor to the Lab, as early in the contract a need existed to significantly bolster the Lab's QA posture and add technical expertise, duties include (but are not limited to):

- Act as Laboratory QA Officer
 - Mentor mid-level QA staff
 - Interface with Clients and Auditors regarding laboratory QA
 - Review and approve laboratory Standard Operating Procedures
 - Review data and reports
 - Perform internal laboratory audits

- Act as Sr. Technical Advisor to laboratory staff
 - Analyze samples as necessary to support client orders
 - Train staff on analytical methods
 - Troubleshoot instruments and analytical methods
 - Perform routine maintenance on instrumentation and train staff in maintenance activities
 - Interface with Clients and mentor laboratory project coordinators on technical issues.

Company Data:

Office Locations	Contracting Specifics	
<ul style="list-style-type: none"> • Pasco, WA (Principal Office) • Richland, WA • Moscow, ID • Kellogg, ID • Boise, ID 	<ul style="list-style-type: none"> • NAICS Service Codes: 541330 – Engineering 541370 – Surveying and Mapping 541620 – Environmental Consulting 541690 – Other Scientific and Technical Consulting Services 541990 – All Other Professional, Scientific, and Technical Services 562910 – Remediation Services 611430 – Professional and Management Development Training 	<ul style="list-style-type: none"> • HUBZone Certified #15952 • DUNS #623036621 • CAGE Code 2S723 • Protégé firm to Washington River Protection Solutions, a DOE Tank Operations at Hanford